

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number
WO 2005/030762 A1

(51) International Patent Classification⁷: **C07D 409/12**,
413/12, 403/12, 235/08, 405/06, A61K 31/4184, A61P
25/00

AstraZeneca R & D Montréal, 7171 Frederick-Banting, St
Laurent, Québec H4S 1Z9 (CA). YANG, Hua [CA/CA];
AstraZeneca R & D Montréal, 7171 Frederick-Banting, St
Laurent, Québec H4S 1Z9 (CA).

(21) International Application Number:

PCT/GB2004/004132

(74) Agent: **GLOBAL INTELLECTUAL PROPERTY**; As-
traZeneca AB, S-151 85 Södertälje (SE).

(22) International Filing Date:

24 September 2004 (24.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0302572-3 26 September 2003 (26.09.2003) SE

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(71) Applicant (for all designated States except MG, US): AS-
TRAZENECA AB [SE/SE]; S-151 85 Södertälje (SE).

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for MG only): ASTRAZENECA UK LIM-
ITED [GB/GB]; 15 Stanhope Gate, London Greater Lon-
don W1K 1LN (GB).

(72) Inventors; and

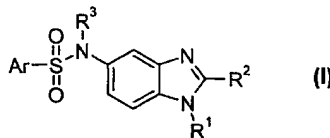
(75) Inventors/Applicants (for US only): LIU, Zip-
ing [CA/CA]; AstraZeneca R & D Montréal, 7171
Fredrick-Banting, St Laurent, Québec H4S 1Z9 (CA).
MILBURN, Claire [CA/CA]; AstraZeneca R & D Mon-
tréal, 7171 Fredrick-Banting, St Laurent, Québec H4S
1Z9 (CA). PAGÉ, Daniel [CA/CA]; AstraZeneca R &
D Montréal, 7171 Fredrick-Banting, St Laurent, Québec
H4S 1Z9 (CA). WALPOLE, Christopher [GB/CA];

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: BENZIMIDAZOLE DERIVATIVES, COMPOSITIONS CONTAINING THEM, PREPARATION THEREOF AND
USES THEREOF



(57) Abstract: Compounds of Formula (I) or pharmaceutically acceptable salts thereof; wherein R¹, R², R³ and Ar are as defined in
the specification as well as salts and pharmaceutical compositions including the compounds are prepared. They are useful in therapy,
in particular in the management of pain.